	Application No.	Applicant(s)	(M)	
Nation of Allemahility	10/041,957	TEIG ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Binh C. Tat	2825		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.				
1. This communication is responsive to <u>12/19/05</u> .				
2. The allowed claim(s) is/are <u>27-47.</u>				
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the:				
Certified copies of the priority documents have been received.				
2. Certified copies of the priority documents have been received in Application No				
3. Copies of the certified copies of the priority documents have been received in this national stage application from the				
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.				
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.				
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.				
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached				
1) hereto or 2) to Paper No./Mail Date				
(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of				
Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of				
each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).				
 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 				
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Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application (PT)	∩₋152\	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☑ Interview Summary	, ,	J-102j	
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08	Paper No./Mail Da	Paper No./Mail Date <u>01/21/06</u> . Z. ⊠ Examiner's Amendment/Comment		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme		owance	
of Biological Material	9.			

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Adeli Mani (Reg. No. 39585) on 01/21/06.

The application has been amended as follow:

Claim 27 line 3, change "prior to performing a routing operation, defining a set of partitioning lines for partitioning, during the routing operation, a region of an integrated circuit ("IC") layout into a plurality of sub-regions" to --prior to performing a routing operation, defining a set of partitioning lines for partitioning a region of an integrated circuit ("IC") layout into a plurality of sub-regions, during the routing operation--.

Claim 46 line 3, change "prior to performing a routing operation, defining a set of partitioning lines for partitioning, during the routing operation, a region of an integrated circuit ("IC") layout into a plurality of sub-regions" to --prior to performing a routing operation, defining a set of partitioning lines for partitioning a region of an integrated circuit ("IC") layout into a plurality of sub-regions, during the routing operation--.

Claim 47 line 3, change "defining a set of partitioning lines for partitioning, during the routing operation, a region of an integrated circuit ("IC") layout into a plurality of sub-

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regions" to --defining a set of partitioning lines for partitioning a region of an integrated circuit ("IC") layout into a plurality of sub-regions, during the routing operation--.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

- 1. Claims 27-47 are allowed because the prior art does not teach or suggest a method of pre-computing routes for nets, the method comprising: a) prior to performing a routing operation, defining a set of partitioning lines for partitioning, a region of an integrated circuit ("IC") layout into a plurality of sub-regions, during the routing operation; b) for a set of potential sub-regions, identifying a set of at least two routes that traverse the potential set of sub-regions, wherein at least one of the routes has at least one diagonal edge; storing the identified routes, wherein said stored routes are for use during the routing operation
- 2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh C. Tat whose telephone number is 571 272-1908. The examiner can normally be reached on 7:30 - 4:00 (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Chiang can be reached on 571 272-7483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tat Binh Patent Examiner January 19, 2006

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